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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: June 28, 2004

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Complete if Known

Application Number	10/813,375
Filing Date	03/30/2004
First Named Inventor	Mark L. Grabb
Group Art Unit	To be Determined
Examiner Name	To be Determined
Attorney Docket Number	066243-0235 (141209)

Sheet

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/MR/	A-1	6,569,160		Goldin et al.	05-27-2003	
	A-2	6,565,511		Panescu et al.	05-20-2003	
	A-3	6,558,333		Gilboa et al.	05-06-2003	
	A-4	6,546,270		Golden et al.	04-08-2003	
	A-5	6,528,991		Ashe	03-04-2003	
	A-6	6,522,913		Swanson et al.	02-18-2003	
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	A-11	6,490,475		Seeley et al.	12-03-2002	
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	A-18	6,458,123		Brucker et al.	10-01-2002	
	A-19	6,456,867		Reisfeld	09-24-2002	
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	A-22	6,445,943		Ferre et al.	09-03-2002	
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	A-32	6,341,231		Ferre et al.	01-22-2002	
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	A-41	6,246,898		Vesely et al.	06-12-2001	
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/MR/	A-43	6,240,307		Beatty et al.	05-29-2001	
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	A-64	5,873,822		Ferre et al.	02-23-1999	
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	A-86	5,697,377		Wittkamp	12-16-1997	
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	A-100	5,391,199		Ben-Haim	02-21-1995	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

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/MR/	A-105	Cardiac catheterization system, Cardiac Cath Lab Systems, RMC-3100, RMC-3200, printed from website www.nihonkohden.com on 12/18/2003, (2 pgs.).	
/MR/	A-106	DASH PRO, Variable-Acuity Monitoring, GE Medical Systems Information Technologies, 02-7446A, March 2002, (8 pgs.).	
/MR/	A-107	ASTROM, M. et al., Least Squares VCG Loop Alignment, date unknown, (4 Pgs.).	

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Examiner Signature	/Michael Rozanski/	Date Considered	03/14/2007
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/MR/	A-108	ASTROM M. et al., <i>Vectorcardiographic Loop Alignment and the Measurement of Morphologic Beat-to-Beat Variability in Noisy Signals</i> , IEEE Transactions on Biomedical Engineering, Vol. 47, No. 4, April 2000, pages 497-506, (10 pgs.).	
	A-109	ASTROM M., <i>Vectorcardiographic Loop Alignment in Ischemia Monitoring</i> , Licentiate in Engineering Thesis, April 2000, (75 pgs.).	
	A-110	GE Announces Alliance with Biosense Webster to Give Clinicians Access to Patients' Complete Heart Rhythm Data at a Single Workstation, GE Medical Systems - Company News-News Releases, dated May 15, 2003, (2 pgs.).	
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	A-114	Invasive - CardioLab - 5.1, Bringing added functionality to the world class CardioLab EP System, GE Medical Systems; printed from website www.gemedicalsystems.com/cardiology/invasive/electro_lab... on 1/12/2004, (2 pgs.).	
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	A-117	Computed Tomography, Advanced CT Applications - Direct3D, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/direct3d.html on 1/28/2004, (1 pg.).	
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/MR/	A-119	Computed Tomography, <i>Advanced CT Applications – Advantage Sim</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/sim_benefits.html on 1/28/2004, (1 pg.).	
	A-120	Computed Tomography, <i>Advanced CT Applications – Advantage Sim (Simulation Tools)</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/sim_sim.html on 1/28/2004, (1 pg.).	
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	A-122	Computed Tomography, <i>GE Medical Systems is proud to offer Mindways QCT PRO 3D Volumetric Spine & Hip BMD – B7501MW – Accurate & Reproducible</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/bmd/index.html on 1/28/2004, (1 pg.).	
	A-123	Computed Tomography, <i>Snapshot cardiac imaging provides the most flexible and widest range of clinical acquisition and reconstruction options available today. Snapshot enables cardiac imaging over a wide range of patients (from 40 to 110 bpm)</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/snapshot/index.html on 1/28/2004, (1 pg.).	
	A-124	Computed Tomography, <i>SmartScore – Coronary Artery Calcification Scoring</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/smart_score/index.html on 1/28/2004, (2 pgs.).	
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	A-126	Computed Tomography, <i>CardIQ Function – Cardiac Functional Analysis</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/cardi_q_func/index.html on 1/28/2004, (2 pgs.).	
	A-127	Computed Tomography, <i>CardIQ Analysis – CV Image Post-Processing & Analysis</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/cardi_q/index.html on 1/28/2004, (2 pgs.).	
	A-128	Computed Tomography, <i>Advanced Vessel Analysis</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/ava/ct_ava_home.html on 1/28/2004, (2 pgs.).	
✓	A-129	<i>Advanced Vessel Analysis – Image Analysis Software</i> , GE Medical Systems, copyright date: 2000, (4 pgs.).	

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/MR/	A-130	B770OSS Advanced Vessel Analysis, -GE Medical Systems, date undetermined, (2 pgs.).	
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	A-132	Advantage Workstation - Multi-Modality Software Applications:, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/aw/aw_multisoft.html on 1/28/2004, (3 pgs.).	
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	A-135	Advantage Workstation - Vascular Software Applications:, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/aw/aw_vascsoft.html on 1/28/2004, (2 pgs.).	
	A-136	Functional Imaging - POWERstation™ General Software, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/clinical_img/general.html on 1/28/2004, (1 pg.).	
	A-137	Functional Imaging - QuickSPECT™ Reconstruction, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/qspectrecon.h... on 1/28/2004, (2 pgs.).	
	A-138	Functional Imaging - QuickSPECT™ - ReadMaster Display, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/qspectdisplay... on 1/28/2004, (2 pgs.).	
	A-139	Functional Imaging - VCR™, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/vcrrecon.html on 1/28/2004, (2 pgs.).	
	A-140	Functional Imaging - 3D Rendering, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/3d.html on 1/28/2004, (2 pgs.).	
	A-141	Functional Imaging - General Display, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/general_displa... on 1/28/2004, (2 pgs.).	
✓	A-142	Functional Imaging - PC Graphics, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/pc.html on 1/28/2004, (2 pgs.).	

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Examiner Signature	/Michael Rozanski/	Date Considered	03/14/2007
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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: June 28, 2004 (use as many sheets as necessary)		Application Number	10/813,375
		Filing Date	03/30/2004
		First Named Inventor	Mark L. Grabb
		Group Art Unit	To be Determined
		Examiner Name	To be Determined
Sheet	7	of	9
		Attorney Docket Number	066243-0235 (141209)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MR/	A-143	Functional Imaging – <i>SPECT Triangulating Display</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/spect1.html on 1/28/2004, (2 pgs.).	
	A-144	Functional Imaging – <i>Color Scales</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/color.html on 1/28/2004, (2 pgs.).	
	A-145	Functional Imaging – <i>Image Processing</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/clinical_img/image_processing on 1/28/2004, (2 pgs.).	
	A-146	<i>Prucka CardioLab/Mac-Lab 7000 CardioLink Operator's Manual</i> , GE Medical Systems, Revision C, marked as July 2, 2001, (24 pgs.).	
	A-147	Realtime Position Management™, <i>Integrating Advanced Mapping, Navigation and EP Recording</i> , Boston Scientific, copyright date: 2003, Boston Scientific Corporation, (3 pgs.).	
	A-148	<i>Advanced Mapping</i> , Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (2 pgs.).	
	A-149	<i>Diagnostic EP Study</i> , Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (2 pgs.).	
	A-150	<i>Pericardiocentesis</i> , Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (1 pg.).	
	A-151	<i>RF Ablation</i> , Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (2 pgs.).	
	A-152	<i>RPM Realtime Position Management™ System</i> , Boston Scientific, printed from website www.bostonscientific.com/med_specialty/deviceDetail.jhtml?task=tskBa... on 1/12/2004, (2 pgs.).	
↓	A-153	<i>RPM Realtime Position Management™ System, (Instructions for use)</i> Electrophysiology, Boston Scientific, printed from website www.bostonscientific.com/common_templates/singleDetailList.jhtml?tas on 1/12/2004, (2 pgs.).	

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Examiner Signature	/Michael Rozanski/	Date Considered	03/14/2007
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: June 28, 2004 (use as many sheets as necessary)		Application Number	10/813,375
		Filing Date	03/30/2004
		First Named Inventor	Mark L. Grabb
		Group Art Unit	To be Determined
		Examiner Name	To be Determined
Sheet 8 of 9	Attorney Docket Number	066243-0235 (141209)	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/MR/	A-154	<i>How to Get There From Here</i> , Pruka Cardiolab 7000, Advanced Electrophysiology Diagnostic System, GE Medical Systems, copyright date: 2000, (2 pgs.).	
	A-155	Jasbir Sra, Joy Thomas, <i>New Techniques for Mapping Cardiac Arrhythmias</i> , Indian Heart Journal, July-August 2001, printed from website www.indianheartjournal.org/JulyAugust2001/NewTechniquesfor Mapping/ ... on 1/19/2004, (30 pgs.).	
	A-156	<i>EP MedSystems Submits 510-K- Filing for Integration of Catheter Navigation Technology into EP-Workmate Platform</i> , West Berlin, N.J. - (BUSINESS WIRE), July 24, 2003, printed from website www.businesswire.com/webbox/bw.072403/232055085.htm on 1/19/2004, (1 pg.).	
	A-157	Anoop K. Gupta, Alok Maheshwari, Ranjan K. Thakur, Yash Y. Lokhandwala, <i>Catheter Ablation of Atrial Tachycardia Using a Real-Time Position Management Mapping System</i> , Indian Heart Journal, Jan.-Feb. 2003, printed from website www.indianheartjournal.org/Jan-Feb2003/Catheter%20Ablation%20of%20 ... on 1/19/2004, (4 pgs.).	
	A-158	Products / EPWorkMate® - <i>The Completely Integrated EP WorkStation</i> , EPMedSystems, copyright date: 2001, printed from website www.epmedsystems.com/products/epwm/index.htm on 1/19/2004, (4 pgs.).	
	A-159	<i>INVASIVE - Cardiolmage Fluoroscopy Image Management System</i> , GE Medical Systems, printed from website www.gemedicalsystem.com/cardiology/invasive/electro_lab/cardioimag... on 1/26/2004, (1 pg.).	
	A-160	<i>Maximum Access To Patient Data</i> , Heartlab, printed from website www.heartlab.com/benefits_access.htm on 1/27/2004, (1 pg.).	
	A-161	<i>Superior Performance, System Stability And On-Going Maintainability</i> , Heartlab, printed from website www.heartlab.com/benefits_performance.htm on 1/27/2004, (1 pg.).	
	A-162	<i>Unparalleled Portability And Protection For Patient Data</i> , Heartlab, printed from website www.heartlab.com/benefits_portability.htm on 1/27/2004, (1 pg.).	
	A-163	<i>Ease of Use</i> , Heartlab, printed from website www.heartlab.com/benefits_simplicity.htm on 1/27/2004, (1 pg.).	
	A-164	<i>System Flexibility For Long-Term Protection of Your Technology Investment</i> , Heartlab, printed from website www.heartlab.com/benefits_flexibility.htm on 1/27/2004, (1 pg.).	
	A-165	<i>Encompass: Not just a system - a solution</i> , Heartlab, printed from website www.heartlab.com/products_0.htm on 1/27/2004, (11 pgs.).	
✓	A-166	<i>St. Francis Medical Center</i> , Heartlab, printed from website www.heartlab.com/casestudies_3.htm on 1/27/2004, (4 pgs.).	

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Examiner Signature	/Michael Rozanski/	Date Considered	03/14/2007
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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/813,375
Date Submitted: June 28, 2004		Filing Date	03/30/2004
(use as many sheets as necessary)		First Named Inventor	Mark L. Grabb
		Group Art Unit	To be Determined
		Examiner Name	To be Determined
Sheet	9 of 9	Attorney Docket Number	066243-0235 (141209)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/MR/	A-187	University of Chicago and Heartlab Forge Clinical Cooperation Agreement for Encompass System Enhancements, Heartlab, dated August 21, 2001, (2 pgs.).	
	A-168	Actuality Systems – Photographs, Actuality Systems, copyright date: 2001, printed from website www.actuality-systems.com/photographs.php3 on 11/25/2003, (3 pgs.).	
	A-169	Welcome to SeeReal Technologies GmbH, SeeReal Technologies, copyright date: 2003, printed from website www.seereal.com/default.en.htm on 2/17/2004, (1 pg.).	
	A-170	Autostereoscopic 3D Display in Laparoscopic Surgery, University of Cambridge, Cambridge, United Kingdom, presented at CAR '95, Berlin, 21-24 June, 1995, printed from website www.cl.cam.ac.uk/users/nad/car95_paper.html on 2/16/2004, (1 pg.).	
	A-171	SeeReal 3D Displays – “C” Display, SeeReal Technologies, copyright date: 2003, printed from website www.seereal.com/EN/products.en.htm on 2/16/2004, (1 pg.).	
	A-172	SeeReal Technologies – Areas of Use, SeeReal Technologies, copyright date: 2003, printed from website www.seereal.com/EN/use.en.htm on 2/16/2004, (1 pg.).	
	A-173	K. Radermacher, C.V. Pichler, S. Fischer, G. Rau, 3D-Visualisation in Surgery, Helmholtz-Institute for Biomedical Engineering, Aachen University of Technology, Aachen, 1998, (6 pgs.).	
	A-174	Siemens and X3D unveil the first Extreme 3D Display for medical application, Virtual Medical Worlds Monthly, dated Oct. 22, 2003, printed from website www.hoise.com/vmw/03/articles/vmw?LV-VM-11-03-27.html on 2/16/2004, (2 pgs.).	
	A-175	Siemens unveils the first Extreme 3D Display for medical application, Siemens AG, dated Oct. 22, 2003, printed from website http://siemens.com/index.jsp?sdc_p=d1047890pol105117fcls4mn1031561u&... on 2/16/2004, (2 pgs.).	
	A-176	Gregg Favalora and Cameron Lewis, Spatial 3D: The End of Flat-Screen Thinking, Actuality Systems, Inc., July, 2003, (9 pgs.).	
✓	A-177	CALYSTO™ for Cardiology – Overview, WITT Biomedical, printed from website http://www.wittbiomedical.com/products.dfm?secID=1 on 4/1/2004, (1 pg.).	

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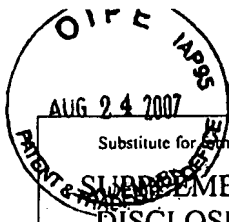
Examiner Signature	/Michael Rozanski/	Date Considered	03/14/2007
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Substitute for Form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)	Application Number	10/816,375
	Filing Date	March 31, 2004
	First Named Inventor	Edward K.Y. Jung
	Group Art Unit	2142
	Examiner Name	Oleg Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-001-000000

U.S. PATENT DOCUMENTS				
Examiner Initials [*]	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
/MR/	AA	7,165,109 B2	01-16-2007	Chiloyan et al.
↓	AB	6,421,354 B1	07-16-2002	Godlewski, Ronald W.
↓	AC	6,640,145 B2	10-28-2003	Hoffberg et al.
↓	AD	6,504,829 B1	01-07-2003	Young et al.
↓	AE	6,208,247 B1	03-27-2001	Agre et al.

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials [*]	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
/MR/	AF	2005/0021724 A1	01-27-2005	Kung et al.
↓	AG	2004/0090326 A1	05-13-2004	Chin et al.
↓	AH	2003/0151513 A1	08-14-2003	Herrmann et al.
↓	AI	2002/0161751 A1	10-31-2002	Mulgund et al.
↓	AJ	2001/0027495 A1	10-04-2001	Campagnolo, Valentino

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/MR/	AK	PCT International Search Report; International App. No.: PCT/US05/09479; 17 July 2007
/MR/	AL	PCT International Search Report; International App No.: PCT/US05/09640; 09 July 2007
/MR/	AM	PCT International Search Report; International App No.: PCT/US05/10053; 10 August 2007

OMB 0651-0031

Examiner Signature	/Michael Rozanski/	Date Considered	10/19/2007
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